

O I P E  
JUN 13 2003  
P A T E N T & T R A D E M A R K S  
AGILENT TECHNOLOGIES, INC.  
Legal Department, DL429  
Intellectual Property Administration  
P. O. Box 7599  
Boulder, Colorado 80537-0599

2821  
PATENT APPLICATION #4  
ATTORNEY DOCKET NO. 10010379-1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Marvin Glenn Wong

Serial No.: 10/004,035

Examiner: Unknown

Filing Date: 10/31/2001

Group Art Unit: 2821

Title: Method of Eliminating Brownian Noise in Micromachined Varactors

COMMISSIONER FOR PATENTS  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

( ) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)

(X) under 37 CFR 1.97(c) together with either a:  
(X) Statement under 37 CFR 1.97(e), or  
( ) a \$180.00 Processing fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)

( ) under 37 CFR 1.97 (d) together with a:  
( ) Statement under 37 CFR 1.97(e), and  
( ) a \$180.00 processing fee under 37 CFR 1.17(p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 50-1078 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25.

( ) Applicant(s) submit herewith Form PTO 1449. References identified with an asterisk (\*) were disclosed in Patent Application No. \_\_\_\_\_ filed \_\_\_\_\_, now U. S. Patent No. \_\_\_\_\_, and, as such, copies thereof are not included pursuant to the provisions of 37 CFR 1.98(d).

(X) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date of Deposit: 6-10-03

Typed Name: Shirley A. Gonzales

Signature: *Shirley A. Gonzales*

Respectfully submitted,

Marvin Glenn Wong

By: *Regan L. Trumper*  
Regan L. Trumper

Attorney/Agent for Applicant(s)  
Reg. No. 38,345

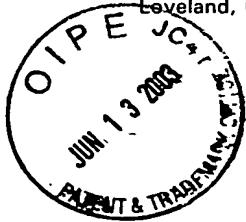
Date: 6-10-03

Telephone No.: (970) 679-3275

AGILENT TECHNOLOGIES, INC.  
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Intellectual Property Administration  
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PATENT APPLICATION

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Title: Method of Eliminating Brownian Noise in Micromachined Varactors

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STATEMENT UNDER 37 CFR 1.97(e)

Sir:

The undersigned hereby certifies that either:

(X) Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or

( ) No item of information contained in the Information Disclosure Statement

-- was cited in a communication from a foreign patent office in a counterpart foreign application, and

-- to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Marvin Glenn Wong

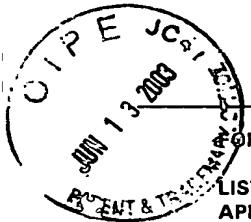
By

Regan L. Trumper

Attorney/Agent for Applicant(s)  
Reg. No. 38,345

Date: 06-10-03

Telephone No.: (970) 679-3275



## PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT**

**(Use several sheets if necessary)**

ATTY. DOCKET NO.	SERIAL NO.
<b>10010379-1</b>	<b>10/004,035</b>
APPLICANT	
<b>Marvin Glenn W ng</b>	
FILING DATE	GROUP
<b>10/31/2001</b>	<b>2821</b>

## **REFERENCE DESIGNATION**

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	NAME	TRANSLATION	
				YES	NO
	WO02/073671	19 Sept 2002	Potter, Michael D.	x	
	EP 0849578	16 Dec 1997	Hara, Tetsuzo et al	x	
	EP 0951069	14 Apr 1999	Tilmans, Hendrikus A. C. et al	x	
	JP 9082828	28 Mar 1997	Mochida Yoichi	x	

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

**EXAMINER** \_\_\_\_\_ **DATE CONSIDERED** \_\_\_\_\_

\* Copies of these references are not enclosed pursuant to 37 CFR 1.98(d). (See accompanying IDS)



**Application No:** GB 0223352.6  
**Claims searched:** 1 to 9

**Examiner:** Anna Brandon  
**Date of search:** 21 May 2003

## Patents Act 1977 : Search Report under Section 17

### Documents considered to be relevant:

Category	Relevant to claims	Identity of document and passage or figure of particular relevance	
X,P	X: 1, 5-9	WO02/073671 A1	(ROCHESTER INSTITUTE OF TECHNOLOGY) figs. 1-4, p5 lines 15-16, p6 lines 11-13
Y	2-4	EP0849578 A	(MURATA MFG) fig. 1b, col. 1 lines 38-47
Y	2-4	EP0951069 A	(MEC INTER UNI MICRO ELECTR) paragraphs 21 & 54, figs. 12-16
Y	2-4	JP9082828 A	(MURATA MANUFACTURING) English language abstract, figs.
Y	2-4	US6229684 B	(JDS UNIPHASE) fig 5, col 2 lines 1-26, col 8 lines 47-58

### Categories:

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.

### Field of Search:

Search of GB, EP, WO & US patent documents classified in the following areas of the UKC<sup>v</sup>:

H1K

Worldwide search of patent documents classified in the following areas of the IPC<sup>7</sup>:

B81B, H01L, H03K, H01G

The following online and other databases have been used in the preparation of this search report:

EPODOC, WPI, JAPIO